## INDEX OF CLAIMS

| , | Rejected                   | Ν | Non-electe   |
|---|----------------------------|---|--------------|
|   | Allowed                    | l | Interference |
|   | (Through numeral) Canceled | Α | Appeal       |
|   | Restricted                 | 0 | Objected     |



|   | E leuigina 3 4 5 |                                      |               |  | <del></del> ;                                    | Dat  | θ.   |  | ·            | ٠.,٠           | • • • • •       |
|---|------------------|--------------------------------------|---------------|--|--|--|--|--|--------------|----------------|-----------------|
|   |                  | 7                                    | -             |  | ri   |  |  |  | $\neg$       |                | $\dashv$        |
|   | ā                | <u> </u>                             |               |  |  |  |  |  |              |                | Ì               |
|   | ğ                | - 1                                  |               |  | ۱ ۱  | •  |  |  |              |                |                 |
| _ | ها               |                                      |               |  |  | <u> </u>   | Ĺ  |  |              |                |                 |
| ( | _1               |                                      |               |  | <u> </u>   |  |  |  |              |                |                 |
|   | 2                |                                      |               |  | ,  |  |  |  |              |                |                 |
|   | 3                | $\neg$                               |               |  |  |  |  | М  |              |                |                 |
|   | 4                | -                                    |               |  | -  |  |  |  | $\vdash$     |                |                 |
|   |                  |                                      |               |  | $\vdash$   | $\vdash$   |  | $\vdash$   |              | -              | $\vdash$        |
|   | 픳                |                                      |               |  | -  | <u> </u>   |  | $\vdash$   | -            |                | $\dashv$        |
|   | 6                |                                      |               | _  | -  | <u> </u>   |  | -  |              | _              |                 |
|   | 7                |                                      | <del></del>   |  |  | <u> -</u> -                                      | <u> </u>   |  | _            |                |                 |
|   | 8                |                                      |               |  | <u> </u>   |  |  |  |              |                |                 |
|   | 9                |                                      |               |  |  |  |  | Ш  | Ŀ            |                |                 |
|   | 10               |                                      |               |  | Ĺ  | L  |  |  |              |                |                 |
|   | 10<br>11         |                                      |               |  |  |  |  |  |              |                |                 |
| : | 12               | $\neg$                               |               |  | Π  |  |  |  |              |                |                 |
| i | 13               | _                                    | _             | <del>                                     </del> | T  |  |  | П  |              |                |                 |
|   | 14               | 극                                    |               | -  | <del>                                     </del> | _  | <del>                                     </del> |  |              |                |                 |
|   | 15               |                                      |               |  | -  |  |  |  |              | -              |                 |
|   | 16               |                                      |               | $\vdash$   | ├  | -  | -  |  |              | <b></b> -      | $\vdash$        |
|   | 10               |                                      |               |  | ├  | <del> </del>                                     |  |  | _            | <del> </del>   | $\vdash \vdash$ |
|   | 17               |                                      |               | ļ  |  | <u> </u>   |  | -  | -            | <u> </u>       |                 |
| 1 | 18               |                                      |               | L_   | <b> </b> _                                       | <b> </b>   | _  | ·-   |              | <u> </u>       |                 |
| ل | 19               |                                      |               | _  | L  | L  | _  |  |              | <u> </u>       |                 |
|   | 20               |                                      |               |  |  |  |  |  |              |                |                 |
| 1 | 21               |                                      | <u> </u>      | <del>                                     </del> | 1  | $\vdash$   | T-   | Γ  |              |                |                 |
| ļ | 22               |                                      |               |  | $t^-$  | <del>                                     </del> | <u> </u>   | 1  | $\vdash$     |                | Ι_              |
|   | 23               |                                      | $\vdash$      | -  | 1-   |  | $\vdash$   | <del>                                     </del> |              | -              |                 |
| • | 24               |                                      | $\vdash$      | <del> </del>                                     | 1-   |  | -  | <del>                                     </del> |              |                |                 |
|   | 25               |                                      | -             | <del> </del>                                     | +  | 1-   | <del>  -  </del>                                 | 1-   |              | -              |                 |
|   | 26<br>26         | -                                    |               | <del> </del>                                     | ┼-   | 1  |  | -  | -            | -              | -               |
|   |                  | <u> </u>                             | <del> </del>  |  | ┤  | +  | ├-   | <del> </del>                                     |              | <del> </del> — | <del> </del>    |
|   | 27               | <u> </u>                             | Ŀ             |  | <del> </del>                                     | ┼—   | ┼—   | 1  |              | -              | <del>  .</del>  |
|   | 28               | -                                    | <u> </u>      | <del> </del> _                                   | ļ.,  | <b> </b>   | -  | <del> </del>                                     | <del> </del> | <del> </del>   | -               |
|   | 29               |                                      | <u>_</u>      | Ŀ  | <u> </u>   | ــ   | <del> </del>                                     | <del> </del>                                     | -            | -              | ļ               |
|   | 30               | <u> </u>                             |               | 1_   | _  | _  | 1_   | 1_   | <u></u>      | <u> </u>       | <u> </u>        |
| • | 31               | L                                    |               |  | <u> </u>   |  | L  |  | L            | <u></u>        | _               |
| • | 32               | Γ                                    |               |  |  |  |  |  |              |                |                 |
| • | 33               | 1                                    | Γ             | 1  | 1  | T  | Γ  |  |              |                |                 |
| • | 34               | $\vdash$                             | 1             | 1  | T  | $\top$   | 1  | 1  | Π            |                | Π               |
|   | 35               | 1                                    | 1             | T  |  | 1  | 1  | T  | 1            | T              | 1               |
| • | 36               |                                      | +-            | +-   | +  | †  | +  | $\top$   | 1            | 1              | 1               |
|   | 37               |                                      | +-            | ╁  | 十  | +-   | †-   | ┼─   | ┼┈           | T              | 1               |
|   | 38               |                                      | ┼             | +-   | +-   | +-   | +-   | +  | +-           | 1-             | +               |
|   | 1                |                                      | <del> -</del> | +-   | +-   | +-   | +-   | ╬  | +-           | ╀              | +               |
|   | 39               |                                      | +-            | ╄  | -  | <del> </del> -                                   | +-   | -  | +            | ┼              | ╁╾              |
|   | 40               | ــــــــــــــــــــــــــــــــــــ | _             | $\bot$   | _  | 4_   | ╀-   | 4-   | 1_           | 1-             | 4-              |
|   | 41               |                                      |               |  |  | $\perp$  |  |  | 1_           |                | _               |
| • | 42               |                                      |               | T  | T  | 7  |  |  |              | $\prod$        | $\perp$         |
| • | 43               |                                      | 1             | 7  | Т  | T  | T  | T  | T            | T              | T               |
| • | 44               |                                      | 十             | T  | 1  | 1  | $\top$   | 1  | 1-           | 1              | 1               |
|   | 45               |                                      | +             | +  | +-   | +-   | +  | +  | +            | †-             | 1               |
|   | 46               | _                                    | +-            | +  | +-   | -  | +  | +  | +            | +-             | +-              |
|   |                  |                                      | +-            | -  | +  | +-   |  | +  | +            | +              | +-              |
|   | 47               |                                      | 4-            | -  | 4-   | 4-   | -  | +-   | +-           | ╀              | +-              |
|   | 48               |                                      | 1_            | _  | - -  | 4  | 4-   |  | 4-           | 4              | ╁-              |
|   | 48               |                                      | L             |  |  | 4  | 4  | 4  | 1            | 4_             | 4               |
| • | 50               | 1                                    |               |  |  | 1  | 1  | ı  | 1            | 1              | 1               |

|          | <del></del> . |          |                |           |           |          | _         |          |              |  |              |                 |              |
|----------|---------------|----------|----------------|-----------|-----------|----------|-----------|----------|--------------|--|--------------|-----------------|--------------|
| Cla      | lm            |          |                | _         | _         |          | Di        | 31¢      | •            |  | $\neg$       |                 |              |
| Final    | Original      |          |                |           |           |          |           |          |              |  |              |                 |              |
| ۳        | 51            | -+       |                |           | †-        |          | -         | +        |              |  | _            | ┌               |              |
|          | 52            |          |                | ┝         | +         |          | -         | 1        |              | 一  |              |                 | -            |
| -        | 53            |          |                | -         | ╁         |          | ┝         | 4        |              | <del> </del>                                     | -            | -               | -            |
|          | 11_           | -+       |                | -         | ╬         |          | H         | 4        |              |  | -            | <del> -</del> - |              |
| -        | 55<br>55      |          |                | -         | +         |          | -         | +        |              | <del>  -</del>                                   |              |                 | -            |
|          | 56            | -+       | -              | -         | ╀         |          | ┝         | -        | •            |  |              | -               | -            |
|          | 57            |          |                | -         | +         |          | -         | 4        |              |  |              | <del> </del>    |              |
| -        | 58            |          |                | ┝         | +         |          | -         | -        | _            |  | -            | ┝─              | -            |
| -        |               |          |                | -         | +         |          | -         | 4        |              |  |              |                 |              |
| _        | 59            | -+       |                | -         | +         |          | H         | 1        |              |  | -            |                 | -            |
| -        | 60<br>61      | ┵        |                | $\vdash$  | ╁         |          | -         | ┥        |              | H  |              | -               |              |
| -        | 62            | -        | -              | -         | +         | _        | ┝         | 4        |              | <del>                                     </del> | <u> </u>     |                 |              |
| -        | 63            | -        |                | -         | ╁         |          | ┝         | $\dashv$ |              | -  |              | -               | -            |
| -        | 64            | -        | _              |           | $\dagger$ |          | ┢         | ᅥ        |              | -  |              | _               |              |
| -        | 65            |          |                | -         | ╁         |          | T         |          |              |  | -            | 一               |              |
| -        | 66            | -        |                | Ť         | †         | _        | ┢         | ٦        |              |  |              | ļ —             |              |
| $\vdash$ | 67            | $\dashv$ | _              | Г         | †         |          | T         |          |              | 1  | T            | $\sqcap$        |              |
| -        | 68            | 十        |                | T         | †         |          | T         |          |              |  |              |                 |              |
|          | 69            | _        | _              | 1         | †         |          | T         | _        |              | T .  | Π            |                 |              |
|          | 70            | _        |                |           | †         |          | T         |          |              |  |              |                 | Γ            |
| -        | 71            |          |                | H         | +         |          | t         |          | _            | <del> </del>                                     | <del> </del> | 1.              | <del> </del> |
| -        | 72            |          |                | ╁         | +         |          | t         |          |              | 1-   | 1            | 1               |              |
|          | 73            | _        |                | T         | 1         |          | T         | _        | $\vdash$     |  |              |                 |              |
|          | 74            |          |                | Τ         | 1         |          |           | •        |              |  |              |                 |              |
|          | 75            |          |                |           |           |          |           |          |              |  | <u> </u>     | _               | <u> </u>     |
|          | 76            |          |                | L         | ┙         |          | L         | _        | _            | <u> </u>   | ļ            | -               | <u> </u>     |
| L        | 77            |          |                | 1         | 4         | _        | 1         | _        | <u> </u>     | 1_   | 1_           | ļ               | 1            |
| .        | 78            |          |                | L         | 4         |          | Ļ         |          | _            | 1_   | ┼            | ┼               | ╀            |
| <u></u>  | 79            |          |                | ╀         | 4         |          | +         |          | ļ            | ┼  | ╁—           | ╄               | +-           |
| -        | 80            | _        | -              | -         | 4         |          | +         | _        | -            | ┼─   | +            | ╁               | ┼-           |
| -        | 81            | -        |                | ╀         | 4         |          | +         |          |              | ╀  | ┼            | +-              | ╀            |
| -        | 82            |          |                | ╀         | -         |          | ╀         | _        | <del> </del> | ┼  | - -          | +-              | +-           |
| $\vdash$ | 83<br>84      |          |                | +         | -         | _        | +         | _        | -            | +-   | +-           | +-              | +            |
| -        | 85            | -        | -              | +         | $\dashv$  | -        | +         | _        | -            | +  | +-           | +               | +            |
| -        | 86            |          | -              | ╁         | -         | -        | +         |          | +            | +  | +-           | +               | $\dagger$    |
| -        | 87            | -        | -              | +         | -         |          | $\dagger$ | _        | †-           | 1  | +-           | +               | +            |
| $\vdash$ | 88            | $\vdash$ | -              | +         |           | -        | †         |          | +-           | 1  | T            | 1-              | +-           |
| +        | 88            |          | 1              | +         |           | -        | †         |          | T            | +-   | +            | $\dagger$       | +            |
| <b> </b> | 90            |          | -              | †         |           | $\vdash$ | +         | -        | T            | 1  | 1            | $\top$          | T            |
| -        | 91            |          | -              | +         |           | -        | $\dagger$ | _        | 1            | $\dagger$  | $\top$       | +               | $\top$       |
| -        | 92            | -        | -              | +         |           | -        | +         | -        | †-           | +  | +            | +-              | +            |
| ·  -     | 93            | $\vdash$ | -              | +         |           | -        | +         | <u>.</u> | +            | +  | +            | +               | +            |
|          | 94            | -        | <del>  -</del> | +         |           | -        | †         | _        | 1            | $\top$   | $\top$       | 1               | $\top$       |
|          | 95            |          | T              | +         |           | _        | $\dagger$ |          | †            |  | $\top$       | 1-              | 1            |
| -        | 96            | 4-       | 1              | $\dagger$ |           | 1        | +         | _        | 1            | 1  |              | $\top$          | T            |
|          | 97            |          | T              | +         | _         | 1        | 1         |          | $\top$       | +  | 1            |                 |              |
|          | 98            |          | 1              | +         |           | 1        | 7         | _        | 1            | $\top$   | 1            | 1               |              |
|          | 99            |          | T              | +         |           | T        | 7         |          | $\top$       | $\top$   | 1            | _ _             |              |
|          | 100           | -        | $\overline{}$  | +         |           | 1        | ヿ         | _        | 1-           | +  | 1            | 丅               | _            |

| Cla      | im       |          |        | _  |   |   | _ |   | c  | at       | 0 |           | _ |          |              |
|----------|----------|----------|--------|----|---|---|---|---|----|----------|---|-----------|---|----------|--------------|
|          |          |          | ·      | ٦  |   | ٦ | _ |   |    |          |   | 7         | _ |          | _            |
| \ \      | Original |          |        |    |   |   |   |   |    |          |   | ١         |   | l        |              |
| Final    | ji       |          | l      |    |   |   |   |   |    |          |   |           |   | -        |              |
| ш.       |          | <u> </u> | ┝      |    | _ | _ | - |   | ┞  | $\dashv$ | - | $\dashv$  | _ | ᅥ        |              |
|          | 101      |          | ┝      | _  | L | _ | H | _ | ŀ  |          | _ |           | - | -        |              |
| <u> </u> | 102      |          | Ļ      |    | L | _ | ŀ |   | ļ. | _        | _ | _         | _ | -        |              |
|          | 103      |          | L      |    | L |   | L |   | L  | _        | _ | _         | L |          |              |
|          | 104      | <u> </u> | Ł      |    | L |   | - |   | ŀ  |          | _ | _         |   |          | _            |
|          | 105      |          | -      | _  | _ |   | - | _ | ŀ  |          | _ |           | _ | $\dashv$ |              |
|          | 106      |          | L      | _  | L |   | _ |   | L  |          | _ | _         | L |          |              |
|          | 107      |          | L      |    | L |   | L |   | L  |          | L |           | L |          |              |
|          | 108      |          | ļ      | _  | L | _ | L |   | L  |          | _ |           | _ | _        |              |
|          | 109      |          | L      |    | L |   | L |   | L  | _        |   |           | _ | $\dashv$ | _            |
|          | 110      |          | L      | _( | L |   | L |   | -  |          | L | _         | _ | _        |              |
| ļ        | 111      | _        | Ļ      | _  | L |   | L |   | Ļ  | _        | L |           | L |          |              |
| <u></u>  | 112      | _        | L      | -  | L |   | L |   | Ļ  |          | L |           | _ |          | _            |
|          | 113      |          | L      |    | Ļ |   | _ |   | L  | -        | L |           | L | -        | _            |
| _        | 114      |          | 1      |    | L |   | L |   | ļ. |          | - |           | Ļ |          | -            |
| Ŀ        | 115      |          | 1      |    | L |   | Ļ |   | -  |          | L |           | L |          | -            |
|          | 116      |          | Ļ      |    | Ļ | _ | Ļ | _ | L  |          | L |           | ŀ | _        | -            |
| <u></u>  | 117      |          | Ļ      |    | L |   | L |   | L  |          | L |           | ŀ |          | <u> </u>     |
| L        | 118      |          | Ļ      |    | L |   | L |   | ļ  |          | L |           | - |          |              |
|          | 119      | 4        | L      | _  | L |   | L | _ | L  |          | L |           | L |          | Ŀ            |
|          | 120      | ıl I     |        |    |   |   | L |   | l  |          | L |           | L |          | _            |
|          | 121      | ı        | Ī      |    | Ī | - |   |   |    |          |   |           | L |          |              |
| Г        | 122      |          | Τ      |    |   |   | I |   |    |          | L | _         |   |          |              |
|          | 123      | 3        |        |    |   |   |   |   | l  |          |   |           | L |          | L            |
|          | 124      | 1        | I      |    |   |   | I |   |    |          |   |           | L |          |              |
|          | 125      |          | L      |    | 1 |   |   |   | 1  |          | L |           | 1 | _        | L            |
|          | 126      |          | 1      |    | l |   | 1 |   | 1  |          | ļ |           | ļ |          | L            |
| L.       | 127      |          |        |    | 1 | _ | 1 |   | 1  |          | ļ | 1         | ļ |          | _            |
|          | 128      |          | 1      |    | 1 |   | 1 |   | 1  |          | 1 |           | ١ |          | L            |
|          | 129      |          | 1      |    | 1 |   | 1 |   | 1  |          | ļ |           | ļ |          | L            |
|          | 130      |          | 1      |    | 1 |   | 1 |   | 1  |          | 1 |           | 1 |          | L            |
|          | 13       | 1_       | 1      |    | 1 |   | 1 |   | 1  |          | 1 |           | 1 |          | L            |
|          | 13       |          | 1      |    | 1 |   | 1 |   | 4  |          | 1 |           | ļ |          | L            |
| L        | 13       | 3_       | 1      |    | 1 |   | 1 |   | 4  |          | 1 |           | 1 |          | 1            |
| L_       | 13       |          | 1      |    | 4 |   | 1 |   | 4  |          | 4 | <u>/\</u> | ļ |          | ╀            |
| 1_       | 13       |          | 1      |    | 4 |   | 4 |   | 4  |          | 1 |           | 4 |          | ╀            |
| _        | 13       |          | 4      |    | 4 |   | 4 |   | -  |          | 4 |           | 4 |          | 1            |
| _        | 13       |          | 4      |    | 4 |   | - | _ | _  |          | - |           | 4 |          | ╀            |
| _        | 13       |          | 4      |    | 4 |   | 4 |   | _  |          | 4 |           | - |          | +            |
| _        | 13       | _        | 4      | _  |   |   | 4 | _ | _  |          | - |           | 4 |          | +            |
|          | 14       |          | _      |    |   |   | _ |   | _  | ļ        | _ |           | 4 |          | 1            |
|          | 14       |          |        |    |   | L |   |   |    | _        |   | _         | 1 |          | ļ            |
|          | 14       | 2        | $\int$ | _  |   |   |   | _ | _  | L        | _ |           |   |          | 1            |
|          | 14       | 3        | _[     | _  |   |   |   |   | _  | L        |   |           | 4 |          | $\downarrow$ |
| -        | 14       |          |        |    | 1 |   |   |   | _  | _        |   | _         | _ |          | 1            |
|          | 14       | 5        | 7      |    |   |   | _ |   | _  | <u> </u> | _ | _         | _ |          | 1            |
|          | 14       | 6        |        |    | _ |   | _ |   | _  |          | _ | L         | , | _        | 1            |
|          |          | 17       |        |    | _ | Γ | _ |   | _  |          | _ | A         |   | _        | 1            |
| -        |          | 18       | 7      | _  |   | Γ | _ | Γ | _  |          | _ |           | _ | L        | $\downarrow$ |
|          |          | 19       | T      | Г  |   | T | _ |   | _  | Γ        | _ |           | _ | _        | 1            |
|          |          | 50       |        |    | _ |   | _ |   | _  |          | _ | Ĺ         | _ | L        | $\perp$      |
|          |          |          | _      |    | _ |   | _ |   | _  |          |   |           |   |          |              |